



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY DOCKET NO.	SERIAL NO.
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	APPLICANT	
	LEE et al.	
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U.S. PATENT DOCUMENTS

EXAMINER INITIALS	CITE No.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
W	A1	4,318,846	03-09-1982	KHANNA <i>et al.</i>		
Ch	A2	4,777,128	10-11-1988	LIPPA		
	A3	4,855,225	08-08-1989	FUNG <i>et al.</i>		
	A4	4,996,143	02-26-1991	HELLER <i>et al.</i>		
	A5	5,118,802	06-02-1992	SMITH <i>et al.</i>		
	A6	5,188,934	02-23-1993	MENCHEN <i>et al.</i>		
	A7	5,254,477	10-19-1993	WALT		
	A8	5,326,692	07-05-1994	BRINKLEY <i>et al.</i>		
	A9	5,340,716	08-23-1994	ULLMAN <i>et al.</i>		
	A10	5,342,789	08-30-1994	CHICK <i>et al.</i>		
	A11	5,366,860	11-22-1994	BERGOT <i>et al.</i>		
	A12	5,401,847	03-28-1995	GLAZER <i>et al.</i>		
	A13	5,405,975	04-11-1995	KUHN <i>et al.</i>		
	A14	5,410,030	04-25-1995	YUE <i>et al.</i>		
	A15	5,439,797	08-08-1995	TSIEN <i>et al.</i>		
	A16	5,453,517	09-26-1995	KUHN <i>et al.</i>		
	A17	5,532,129	07-02-1996	HELLER		
	A18	5,552,540	09-03-1996	HARALAMBIDIS		
	A19	5,565,322	10-15-1996	HELLER		
	A20	5,565,554	10-15-1996	GLAZER <i>et al.</i>		
W	A21	5,573,909	11-12-1996	SINGER <i>et al.</i>		

EXAMINER INITIALS	CITE No.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
Ch	A22	5,582,977	12-10-1996	YUE <i>et al.</i>		
	A23	5,607,834	03-04-1997	BAGWELL		
	A24	5,646,264	07-08-1997	GLAZER <i>et al.</i>		
	A25	5,654,419	08-05-1997	MATHIES <i>et al.</i>		
	A26	5,688,648	11-18-1997	MATHIES <i>et al.</i>		
	A27	5,707,804	01-13-1998	MATHIES <i>et al.</i>		
	A28	5,728,528	03-17-1998	MATHIES <i>et al.</i>		
	A29	5,741,657	04-41-1998	TSEIN <i>et al.</i>		
	A30	5,760,201	06-02-1998	GLAZER <i>et al.</i>		
	A31	5,763,189	06-09-1998	BUECHLER <i>et al.</i>		
	A32	5,800,996	09-01-1998	LEE <i>et al.</i>		
	A33	5,824,799	10-20-1998	BUECHLER <i>et al.</i>		
	A34	5,843,658	12-01-1998	UCHIYAMA <i>et al.</i>		
	A35	5,847,162	12-08-1998	LEE <i>et al.</i>		
	A36	5,851,778	12-22-1998	OH <i>et al.</i>		
	A37	5,853,992	12-29-1998	GLAZER <i>et al.</i>		
	A38	5,869,255	02-09-1999	MATHIES <i>et al.</i>		
	A39	5,945,283	08-31-1999	KWOK <i>et al.</i>		
	A40	5,981,200	11-09-1999	TSIEN <i>et al.</i>		
	A41	6,008,373	12-28-1999	WAGGONER <i>et al.</i>		
	A42	6,028,190	02-20-2000	MATHIES <i>et al.</i>		
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	A44	6,291,162	09-18-2001	TSIEN <i>et al.</i>		
	A45	6,358,684	03-19-2002	LEE <i>et al.</i>		
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	B2	DE 108347	11-29-1898			
	B3	DE 2049503	04-22-1971	FUJI PHOTO FILM CO., LTD.		
	B4	DE 2049527	04-22-1971	FUJI PHOTO FILM CO., LTD.		
	B5	DE 3425631	01-16-1986	BASF AG		
	B6	DE 45263	11-13-1887			
	B7	DE 47451	11-13-1887			
M	B8	EP 0 201 751 A2	11-20-1986	ABBOTT LAB		
	B9	EP 0 201 751 A2	11-20-1986	Duplicate		
M	B10	EP 0 229 943 A2	07-29-1987			
	B11	EP 0 252 683	01-13-1988	DU PONT		
	B12	EP 0 299 943 A2	07-29-1987	MOLECULAR BIOSYSTEMS, INC.		
M	B13	EP 0 601 889 A2	06-15-1994	MAINE MEDICAL CENTER RES		
M	B14	EP 0 747 700 A2	12-11-1996	UNIVERSITY CARNEGIE MELLON		
M	B15	EP 0 967 219 A1	12-29-1999	THE INSTITUTE OF PHYSICAL & CHEMICAL RESEARCH		
M	B16	GB 2 301 833	12-18-1996	CARNEGIE MELLON UNIVERSITY		
M	B17	JP 0410735A	04-09-1992	KAO CORP.		
M	B18	JP 5-60698	03-12-1993			
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M	B20	WO 89/03041 A2	04-06-1989	BECKMAN INSTRUMENTS, INC.		
M	B21	WO 91/03476	03-21-1991	APPLIED BIOSYSTEMS, INC.		
M	B22	WO 91/05060	04-18-1991	APPLIED BIOSYSTEMS, INC.		
	B23	WO 91/07507	05-30-1991	APPLIED BIOSYSTEMS, INC.		
M	B24	WO 92/00388	01-09-1992	UNIVERSITY OF CALIFORNIA		
M	B25	WO 93/0648204	04-01-1993	MOLECULAR PROBES, INC.		
M	B26	WO 93/09128	05-13-1993	NANOTRONICS, INC.		

EXAMINER INITIALS	CITE No.	PUBLICATION NUMBER	DATE	NAME	COUNTRY	CLASSIFICATION
M	B27	WO 93/13224	07-08-1993	CHIRON CORP.		
M	B28	WO 93/23492	11-25-1993	MOLECULAR PROBES, INC.		
	B29	WO 94/05688	03-17-1994	APPLIED BIOSYSTEMS, INC.		
M	B30	WO 94/17397	08-04-1994	UNIVERSITY OF CALIFORNIA		
M	B31	WO 94/28166	12-08-1994	ZENeca LTD.		
M	B32	WO 95/21266	08-10-1995	UNIVERSITY OF CALIFORNIA		
M	B33	WO 96/04405	02-15-1996	UNIVERSITY OF CALIFORNIA		
M	B34	WO 96/30540	10-03-1996	UNIVERSITY OF CALIFORNIA		
M	B35	WO 96/41166	12-19-1996	UNIVERSITY OF CALIFORNIA		
M	B36	WO 97/11084	03-27-1997	UNIVERSITY OF CALIFORNIA		
M	B37	WO 99/02544	01-21-1999	THE INSTITUTE OF PHYSICAL & CHEMICAL RESEARCH		

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M	C2	ANTON, J.A., et al., "Transfer of Excitation Energy Between Porphyrin Centers of a Covalently-Linked Dimer," <i>Photochemistry and Photobiology</i> , 1978, 28: 235-242
M	C3	ASSELIN, U., et al., "Oligonucleotides Covalently Linked to Intercalating Dyes as Base Sequence-Specific Ligands: Influence of Dye Attachment Site," <i>EMBO Journal</i> , 1984, 3: 795-800.
M	C4	BENSON, S., et al., "Fluorescence Energy-Transfer Cyanine Heterodimers with High Affinity for Double-Stranded DNA-I. Synthesis and Spectroscopic Properties," <i>Analytical Biochemistry</i> , June 1995, pp. 247-255.
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M	C8	BOTHNER, A.A., et al., "Molecular Dynamics of covalently linked multi-porphyrin arrays," <i>J. Phys. Chem.</i> , 1996, 100: 17551-17557.
M	C9	BRUMBAUGH, J., et al., "Continuous On-Line DNA Sequencing Using Oligonucleotide Primers with Multiple Fluorophores," <i>Proc. Natl. Acad. Sci. USA</i> , 1988, 85: 5610-5614.
M	C10	CARDULLO, R.A., et al., "Detection of nucleic acid hybridization by nonradiative fluorescence resonance energy transfer," <i>Proc. Natl. Acad. Sci. USA</i> , December 1988, 85(23): 8790-8794.
M	C11	CHIU, H.C., et al., "Electronic energy transfer between tyrosine and tryptophan in the peptides Tyr-(Pro) _n -Tyr," <i>Biopolymers</i> , 1977, 16: 277.
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MA	C31	HELLER, M.J., et al., "Fluorescent energy transfer oligonucleotide probes," <i>Federation Proceedings</i> , 1987, 46(6) Abstract 248.
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<i>W</i>	C92	WAGNER, R.W., et al., "Synthesis of porphyrins tailored with eight facially-encumbering groups. An approach to solid state light harvesting complexes," <i>Tetrahedron</i> , 1994, 50(38): 11097-11112.
<i>W</i>	C93	WANG, Y., et al., "Photochemical Probes of Intramolecular Electron and Energy Transfer," <i>Chemical Physics</i> , March 1993, 176: 305-319.
<i>W</i>	C94	WASIELEWSKI, M.R., et al., "Ultrafast carotenoid to pheophorbide energy transfer in a biomimetic model for antenna function in photosynthesis," <i>Nature</i> , 1986, 322: 570-572.
<i>W</i>	C95	WEBER, G., et al., "Fluorescence excitation spectrum of organic compounds in solution part I. Systems with Quantum yield independent of exciting wavelength," <i>Trans. Faraday Soc.</i> , 1958, 54: 640.
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<i>W</i>	C97	WU, P., et al., "Resonance energy transfer: methods and applications," <i>Anal. Biochem.</i> , April 1994, 218(1): 1-13.
<i>W</i>	C98	YANG, J., et al., "Fluorescence energy transfer studies in a cross-linked polyurethane network," <i>Can. J. Chem.</i> , 1995, 73: 1823-1830.
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<i>W</i>	C100	ZHENG, Z., et al., "Fluorescence energy-transfer cyanine heterodimers with High affinity for double-stranded DNA. II. Applications to multiplex restriction fragment sizing," <i>Anal. Biochem.</i> , 1995, 231: 256-260.
<i>W</i>	C101	ZHU, Z., et al., "Directly labeled DNA probes using fluorescent nucleotides with different length linkers," <i>Nucleic Acids Research</i> , 1994, 22(16): 3418-3422.

EXAMINER	<i>Wu</i>	DATE CONSIDERED	<i>1/25/06</i>
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